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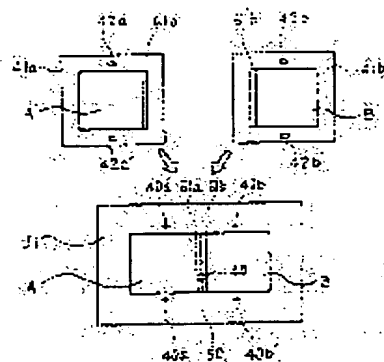
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(54) LIQUID CRYSTAL DISPLAY AND ITS MANUFACTURE

(57)Abstract:

PURPOSE: To eliminate the influence of a relative, uniform, and extremely small position shift of a picture element array at the periphery of a connection part resulting from divisional exposure and to improve the picture quality of the whole screen by dividing the screen into plural areas and forming picture element patterns, and dispersing statistically arrays of respective picture elements at the peripheral parts of connections between the divided areas.

CONSTITUTION: The picture element arrays in the connection areas 61a' and 61b' on masks 41a and 41b corresponding to connection areas 61a and 61b at the periphery of the connection part 50 between divided areas A and B of a liquid crystal substrate 31 are formed shifting statistically from a reference grating. Therefore, the long-time continuous generation of the uniform and extremely small position shift of a picture element array due to the divisional exposure is eliminated and the peak of the frequency of the quantity of position shifting of the picture element array at the periphery of the connection part 50 from the reference grating is distributed continuously. The connection part becomes inconspicuous and the picture quality of the whole screen is improved.



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